

IN THE CLAIMS

Please replace the claims below for the pending claims with the same numbers. In this amendment, claims 1, 2, 8-10, 14, 23, 25-27, 29, 32, 37-39, 42, 46, 47, 57-59, 61, 79, 81, 84, 90, 91, 93, 95, 98, and 100-102 have been amended, and claims 6, 7, 11, 13, 22, 24, 28, 56, 60, and 94 have been canceled.

C1 1. (Currently Amended) A color-changing device, comprising:
an enclosure formed at least in part by an at least partially transparent material; [and]
an illumination device[,] disposed within the enclosure[,] and configured to illuminate
said material, the illumination device capable of generating at least two colors[,] and including at
least one LED-based light source adapted to output at least first radiation having a first
wavelength and second radiation having a second wavelength; and
a controller configured to control the at least one LED-based light source.

2. (Currently Amended) The color-changing device of claim 1, wherein said device [is a]
includes at least one computer component, peripheral or accessory.

3. (Original) The color-changing device of claim 1, wherein said device includes one or
more of the following: a disk drive, a mouse, a pointing device, a printer, a scanner, a keyboard,
a cable, a modem, a media player, a DVD player, a DVD recorder, a CD player, a CD recorder, a
tape player, a tape recorder, a stereo receiver, a self contained stereo system, a television, a
television remote control, a television peripheral, a cable TV decoder box, a projection system, a
speaker, a landline telephone, a wireless telephone, a radio frequency (RF) transmission device,
an RF communication device, a personal digital assistants (PDA), a toy, a watch, an appliance, a
refrigerator, a stove, an oven, a dishwasher, a trash compactor, and a hand-held device.

4. (Previously Amended) The color-changing device of claim 1, wherein said material is at
least one of transparent, semi-transparent, translucent, and semi-translucent.

5. (Previously Amended) The color-changing device of claim 1, wherein said material
includes means for reflecting light off of or out of the material.

C

6. (Cancelled)

7. (Cancelled)

8. (Currently Amended) The color-changing device of claim [7] 1, wherein said controller receives input from a network.

9. (Currently Amended) The color-changing device of claim [7] 1, wherein said controller receives input from a user of the color-changing-device.

C2 30
10. (Currently Amended) A method for changing a color of a device having an enclosure formed at least in part by a partially transparent material, the method comprising acts of:

providing an illumination device disposed in the enclosure, the illumination device capable of generating at least two colors and including at least one LED-based light source adapted to output illumination including at least first radiation having a first wavelength and second radiation having a second wavelength;

illuminating at least a portion of said enclosure, via the illumination device; and
[changing the color of] controlling the at least one LED-based light source so as to vary
said illumination.

11. (Cancelled)

12. (Previously Cancelled)

13. (Cancelled)

C3 32
14. (Currently Amended) A method for changing the color of a device, the device having an enclosure, the method comprising acts of:
generating an input signal;

C

C-3
Cont'd

generating a control signal in response to the input signal;
[communicating] controlling a lighting system via the control signal, [to a] the lighting system including at least one LED-based light source adapted to output at least first radiation having a first wavelength and second radiation having a second wavelength; and
arranging the lighting system to illuminate at least a portion of the device enclosure.

15. (Original) The method of claim 14, wherein the act of generating the input signal is accomplished through a user interface.
 16. (Original) The method of claim 15, wherein the user interface is at least one of a switch, dial, button, key, and key board.
 17. (Original) The method of claim 15, wherein the user interface is a graphical user interface.
 18. (Original) The method of claim 14, wherein the act of generating the input signal is accomplished through at least one of a sensor and transducer.
 19. (Original) The method of claim 14, wherein the act of generating the input signal is accomplished by receiving a signal.
 20. (Original) The method of claim 19, wherein the signal is at least one of a network signal, database signal, and information signal.
 21. (Previously added) The color-changing device of claim 1, wherein the illumination device is configured to project patterns or symbols onto the enclosure.
 22. (Cancelled)
-

C4 23. (Currently Amended) The color-changing device of claim [22] 1, wherein the LED-based light source includes at least one red LED, at least one green LED, and at least one blue LED.

24. (Cancelled)

24 25. (Currently Amended) The color-changing device of claim [24] 1, wherein the controller is configured to control the at least one LED-based light source so as to vary a color of at least a portion of the enclosure as perceived by an observer viewing the color-changing device from outside the enclosure.

C5 22 26. (Currently Amended) The color-changing device of claim [24] 1, wherein the controller is configured to control the at least one LED-based light source so as to project patterns or symbols onto the enclosure.

20 27. (Currently Amended) The color-changing device of claim [24] 1, wherein the controller is configured to control the at least one LED-based light source so as to set a repetition rate of a single color projected onto the enclosure.

28. (Cancelled)

C6 17 29. (Currently Amended) The color-changing device of claim [28] 1, wherein the controller is configured to independently control at least a first intensity of the first radiation and a second intensity of the second radiation.

30. (Previously Added) The color-changing device of claim 29, wherein the controller is further configured to independently control at least the first intensity of the first radiation and the second intensity of the second radiation so as to vary a color of the generated radiation as perceived by an observer viewing the color-changing device from outside the enclosure.

31. (Previously Added) The color-changing device of claim 29, wherein the controller is further configured to independently control at least the first intensity of the first radiation and the second intensity of the second radiation so as to vary an overall brightness of the generated radiation as perceived by an observer viewing the color-changing device from outside the enclosure.

C7 ~~25~~ 32. (Currently Amended) The color-changing device of claim [24] 1, wherein the controller is configured to control the LED-based light source in response to at least one signal provided by a sensing device.

33. (Previously added) The color-changing device of claim 32, in combination with the sensing device.

34. (Previously added) The color-changing device of claim 33, wherein the sensing device includes at least one of a color sensor, a temperature sensor, a pressure sensor, and a motion sensor.

~~A~~ 35. (Previously added) The color-changing device of claim 34, wherein the controller is configured to vary a color of the enclosure in response to the at least one signal provided by ^{the} sensing device.

36. (Previously added) The color-changing device of claim 35, wherein:
the color-changing device includes a refrigerator having a front panel;
the sensing device includes a temperature sensor; and
the controller is configured to vary a color of the front panel based on a temperature inside the refrigerator.

C8 ~~6~~ 37. (Currently Amended) The color-changing device of claim [24] 1, wherein the controller is configured to control the LED-based light source in response to at least one signal provided by at least one user interface device.

C8
Cont'd
~~7~~
38. (Currently Amended) The color-changing device of claim [24] 1, wherein the controller is configured to control the LED-based light source in response to at least one audio signal or at least one video signal.

~~10~~
39. (Currently Amended) The color-changing device of claim [24] 1, wherein the color-changing device includes a computer having the enclosure.

40. (Previously added) The color-changing device of claim 39, wherein the controller is configured to control the LED-based light source in response to information received by the computer.

41. (Previously added) The color-changing device of claim 40, wherein the controller is configured to control the LED-based light source so as to indicate representations of multiple pieces of information received by the computer on different portions of the enclosure.

C9
~~13~~
42. (Currently Amended) The color-changing device of claim ~~40~~ 11, wherein the information includes at least one email message, and wherein the controller is configured to control the LED-based light source based on the at least one email message.

43. (Previously added) The color-changing device of claim 40, wherein the information includes information received from the Internet, and wherein the controller is configured to control the LED-based light source based on the information received from the Internet.

44. (Previously added) The color-changing device of claim 43, wherein the information includes advertising information, and wherein the controller is configured to control the LED-based light source based on the advertising information.

45. (Previously added) The color-changing device of claim 43, wherein the information includes economic information, and wherein the controller is configured to control the LED-based light source based on the economic information.

31/ 46. (Currently Amended) The method of claim [13] 30/ 40, wherein the act of controlling [at least one of the LEDs includes controlling at least one of the LEDs] the at least one LED-based light source includes controlling the at least one LED-based light source in response to an input signal received from a network, an external sensor, or a user interface.

C10 39/ 47. (Currently Amended) An apparatus, comprising:
an enclosure having a surface; [and]
at least one illumination device adapted to output at least first radiation having a first wavelength and second radiation having a second wavelength to provide variable color light, the at least one illumination device disposed proximate to the enclosure and configured to illuminate at least a portion of the surface of the enclosure with the variable color light, such that during operation of the at least one illumination device, at least the portion of the enclosure appears to have a variable color to an observer viewing the enclosure from outside the enclosure; and a controller configured to control the at least one illumination device.

48. (Previously added) The apparatus of claim 47, wherein the at least one illumination device is further configured to illuminate at least a portion of the surface of the enclosure with a single color at a given time.

49. (Previously added) The apparatus of claim 47, wherein the at least one illumination device is further configured to illuminate at least a portion of the surface of the enclosure by edge-lighting or back-lighting the enclosure.

50. (Previously added) The apparatus of claim 47, wherein at least part of the enclosure is transparent, translucent, semi-transparent, or semi-translucent.

51. (Previously added) The apparatus of claim 47, wherein the at least one illumination device is disposed within the enclosure.

52. (Previously added) The apparatus of claim 47, wherein the at least one illumination device is configured to project patterns or symbols onto the enclosure.

C

53. (Previously added) The apparatus of claim 47, wherein the at least one illumination device includes at least one of fiber optic strands, incandescent lighting, and fluorescent lighting.

54. (Previously added) The apparatus of claim 47, wherein the at least one illumination device includes at least one LED-based light source.

55. (Previously added) The apparatus of claim 54, wherein the at least one LED-based light source includes at least one red LED, at least one green LED, and at least one blue LED.

56. (Cancelled)

57. (Currently Amended) The apparatus of claim [56] ³⁹~~47~~, wherein the controller is configured to control the at least one illumination device so as to vary a color of at least a portion of the enclosure as perceived by the observer.

C11 58. (Currently Amended) The apparatus of claim [56] ³⁹~~47~~, wherein the controller is configured to control the at least one illumination device so as to project patterns or symbols onto the enclosure.

59. (Currently Amended) The apparatus of claim [56] ³⁹~~47~~, wherein the controller is configured to control the at least one illumination device so as to set a repetition rate of a single color projected onto the enclosure.

60. (Cancelled)

C12 61. (Currently Amended) The apparatus of claim [60] ³⁹~~47~~, wherein the controller is configured to independently control at least a first intensity of the first radiation and a second intensity of the second radiation.

62. (Previously added) The apparatus of claim 61, wherein the controller is further configured to independently control at least the first intensity of the first radiation and the second intensity of the second radiation so as to vary a color of the variable color light as perceived by the observer.

63. (Previously added) The apparatus of claim 61, wherein the controller is further configured to independently control at least the first intensity of the first radiation and the second intensity of the second radiation so as to vary an overall brightness of the variable color light as perceived by the observer.

~~64.~~ (Previously added) The apparatus of claim ~~56~~⁴⁷³⁹, wherein the controller is configured to control the at least one illumination device in response to at least one signal provided by a sensing device.

65. (Previously added) The apparatus of claim 64, in combination with the sensing device.

66. (Previously added) The apparatus of claim 65, wherein the sensing device includes at least one of a color sensor, a temperature sensor, a pressure sensor, and a motion sensor.

~~67.~~ (Previously added) The apparatus of claim 65, wherein the controller is configured to vary a color of the enclosure in response to the at least one signal provided by ~~a~~^{the} sensing device.

68. (Previously added) The apparatus of claim 67, wherein:
the apparatus includes a refrigerator having a front panel;
the sensing device includes a temperature sensor; and
the controller is configured to vary a color of the front panel based on a temperature inside the refrigerator.

~~69.~~ (Previously added) The apparatus of claim ~~56~~⁴⁷³⁹, wherein the controller is configured to control the at least one illumination device in response to at least one signal provided by at least one user interface device.

~~70.~~ (Previously added) The apparatus of claim ~~50~~⁴⁷, wherein the controller is configured to control the at least one illumination device in response to at least one audio signal or at least one video signal.

71. (Previously added) The apparatus of claim ~~50~~⁴⁷, wherein the apparatus includes a computer having the enclosure.

72. (Previously added) The apparatus of claim 71, wherein the controller is configured to control the at least one illumination device in response to information received by the computer.

73. (Previously added) The apparatus of claim 72, wherein the at least one illumination device includes at least one LED-based light source.

74. (Previously added) The apparatus of claim 72, wherein the controller is configured to control the at least one illumination device so as to indicate representations of multiple pieces of information received by the computer on different portions of the enclosure.

75. (Previously added) The apparatus of claim 72, wherein the information includes at least one email message, and wherein the controller is configured control the at least one illumination device based on the at least one email message.

76. (Previously added) The apparatus of claim 72, wherein the information includes information received from the Internet, and wherein the controller is configured to control the at least one illumination device based on the information received from the Internet.

77. (Previously added) The apparatus of claim 76, wherein the information includes advertising information, and wherein the controller is configured to control the at least one illumination device based on the advertising information.

78. (Previously added) The apparatus of claim 76, wherein the information includes economic information, and wherein the controller is configured to control the at least one illumination device based on the economic information.

~~69~~
79. (Currently Amended) An appliance, comprising:
a surface; [and]

C13
at least one illumination device[,] disposed within the appliance, the at least one illumination device adapted to output at least first radiation having a first wavelength and second radiation having a second wavelength to provide variable color light and configured to illuminate at least a portion of the surface of the appliance with the variable color light, such that during operation of the at least one illumination device, at least the portion of the appliance appears to have a variable color to an observer viewing the appliance; and
a controller configured to control the at least one illumination device.

80. (Previously added) The appliance of claim 79, wherein the at least one illumination device includes at least one LED-based light source.

~~71~~
81. (Currently Amended) An electronics device, comprising:
a surface; [and]

C14
at least one illumination device[,] disposed within the electronics device, the at least one illumination device adapted to output at least first radiation having a first wavelength and second radiation having a second wavelength to provide variable color light and configured to illuminate at least a portion of the surface of the electronics device with the variable color light, such that during operation of the at least one illumination device, at least the portion of the electronics device appears to have a variable color to an observer viewing the electronics device; and
a controller configured to control the at least one illumination device.

82. (Previously added) The electronics device of claim 81, wherein the at least one illumination device includes at least one LED-based light source.

C

83. (Previously added) The electronics device of claim 81, wherein the electronics device is a computer.

⁷⁴
84. (Currently Amended) An illumination method, comprising [an act] acts of:
a1) generating at least one of first radiation having a first wavelength and second
radiation having a second wavelength to provide variable color light; and

C15
a) illuminating at least a portion of a surface of an enclosure with the variable color light such that at least the portion of the enclosure appears to have a variable color to an observer viewing the enclosure from outside the enclosure.

85. (Previously added) The method of claim 84, wherein the act a) includes an act of:
illuminating at least a portion of the surface of the enclosure with a single color at a given time.

86. (Previously added) The method of claim 84, wherein the act a) includes an act of:
illuminating at least a portion of the surface of the enclosure by edge-lighting or back-lighting the enclosure.

87. (Previously added) The method of claim 84, wherein at least part of the enclosure is transparent, translucent, semi-transparent, or semi-translucent.

88. (Previously added) The method of claim 84, wherein the act a) includes an act of:
illuminating from within the enclosure at least the portion of the surface of the enclosure with the variable color light.

89. (Previously added) The method of claim 84, wherein the act a) includes an act of:
projecting patterns or symbols onto the enclosure.

⁷⁴
C16
90. (Currently Amended) The method of claim 84, further comprising an act of:
controlling at least one of fiber optic strands, incandescent lighting, and fluorescent lighting to perform the act [a)] a1).

C16
cont'd

91. (Currently Amended) The method of claim ~~84~~⁷⁴, further comprising an act of:
controlling at least one LED-based light source to perform the act [a)] a1).

92. (Previously added) The method of claim 91, wherein the at least one LED-based light source includes at least one red LED, at least one green LED, and at least one blue LED.

C17

93. (Currently Amended) The method of claim ~~84~~⁷⁴, wherein the act [a)] a1) includes an act of:
controlling a repetition rate of a single color of the variable color light.

94. (Cancelled)

C18

95. (Currently Amended) The method of claim ~~94~~⁷⁴ ~~84~~⁷⁴, wherein the act a1) includes an act of:

a2) independently controlling at least a first intensity of the first radiation and a second intensity of the second radiation.

96. (Previously added) The method of claim 95, wherein the act a2) includes an act of:
independently controlling at least the first intensity of the first radiation and the second intensity of the second radiation so as to vary a color of the variable color light as perceived by the observer.

97. (Previously added) The method of claim 95, wherein the act a2) includes an act of:
independently controlling at least the first intensity of the first radiation and the second intensity of the second radiation so as to vary an overall brightness of the variable color light as perceived by the observer.

C19

98. (Currently Amended) The method of claim ~~84~~⁷⁴ ~~94~~⁸³, wherein the act [a)] a1) includes an act of:
a3) controlling the variable color light in response to at least one signal provided by a sensing device.

99. (Previously added) The method of claim 98, wherein the act a3) includes an act of:
varying a color of the enclosure in response to the at least one signal provided by a
sensing device.

~~81~~ 100. (Currently Amended) The method of claim ~~84~~ ⁷⁴, wherein the act [a)] a1) includes an act of:
controlling the variable color light in response to at least one signal provided by at least
one user interface device.

C20 ~~82~~ 101. (Currently Amended) The method of claim ~~84~~ ⁷⁴, wherein the act [a)] a1) includes an act
of:
controlling the variable color light in response to at least one audio signal or at least one
video signal.

~~75~~ 102. (Currently Amended) The method of claim ~~84~~ ⁷⁴, wherein the enclosure encloses a
computer, and wherein the act [a)] a1) includes an act of:
a4) controlling the variable color light in response to information received by the
computer.

103. (Previously added) The method of claim 102, wherein the act a4) includes an act of:
indicating representations of multiple pieces of information received by the computer on
different portions of the enclosure.

104. (Previously added) The method of claim 102, wherein the information includes at least
one email message, and wherein the act a4) includes an act of:
controlling the variable color light based on the at least one email message.

105. (Previously added) The method of claim 102, wherein the information includes
information received from the Internet, and wherein the act a4) includes an act of:
controlling the variable color light based on the information received from the Internet.

C

106. (Previously added) The method of claim 105, wherein the information includes advertising information, and wherein the act a4) includes an act of:

controlling the variable color light based on the advertising information.

107. (Previously added) The method of claim 105, wherein the information includes economic information, and wherein the act a4) includes an act of:

controlling the variable color light based on the economic information.